LONG RANGE PLANNING

Approved For Release 2004/06/29 : CIA-RDP85B00803R000200080079-9

Support to SIPS

1 Dec 1970 Memo to DCI thru Ch/IPB sub: Contract for Devel of File Mgmt Software.

STAT

Requested approval for negotiating a major computer software contract with [redacted] in support of several large on-line computer file applications, most important of which was Support Info Processing System (SIPS).

for SIPS, beginning in December 1969,

After analysis of 14 possible systems/the Generalized Information Management System (GIMS) was chosen for testing and installed in July 1970 under contract with [redacted] STAT

STAT

[redacted] The system performed satisfactorily.

Now additional necessary facilities to support SIPS needs require a contract for [redacted] STAT

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[redacted] to provide the necessary improvements to their GIMSystem to meet Agency needs.

This request was concurred in by DDS, PPB, and approved the ExDir-Comptroller for [illegible] 1970.

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ILLEGIB

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Being discussed in December 1970.

A long-term plan for extending and upgrading the computer systems in OCS with major emphasis on general purpose computer systems and some reference to special purpose systems and related peripheral devices.

Based upon a review of past and current requirements for computer systems support coupled with a forecast of projected rqmts over the long term.

One principal concern was to be able to execute the OCS mission within approved funding. The past had shown a remarkable pattern of expansion and the future was expected to bring the levying of more and more requirements. It was expected that more attention would be given by top mgmt to ADP resources and their use.

One measure of OCS growth was in raw computer power based on hardware specifications (but ignoring other considerations) wherein OCS computer power has increased ~~4,050%~~ 40-fold in 8 years. Even with this increase in raw power, OCS had only stayed even with the rate of growth of requirements.

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The two philosophies of data processing mgmt considered during this planning were (1) to optimize computer processing at user

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the specific project level, providing that project the best service it can attain without regard to others. (2) to optimize at the general level, providing good service over-all to as many projects as possible, but at some cost to all in terms of the most optimal service.

The first leads to several small systems, the sedond to a few large systems.

OCS believed the latter concept to be more valid in a centralize d, general purpose computer org such as OCS.

systems
--------- computer/planning
Objectives of OCS/remained valid: a homogeneous set of hardware and software with change and growth capability, provision for remote terminals and interactive services, around=the-clock computing capability; and in addition, the maintaining of an aggressive posture in exploiting new capabilities in order to support a changing Agency environment

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xxxxxxxxx as wekk as to keep xxxx the competence of Agency XXXXXXX ADP professionals equal to their peers in this ever changing field, or better

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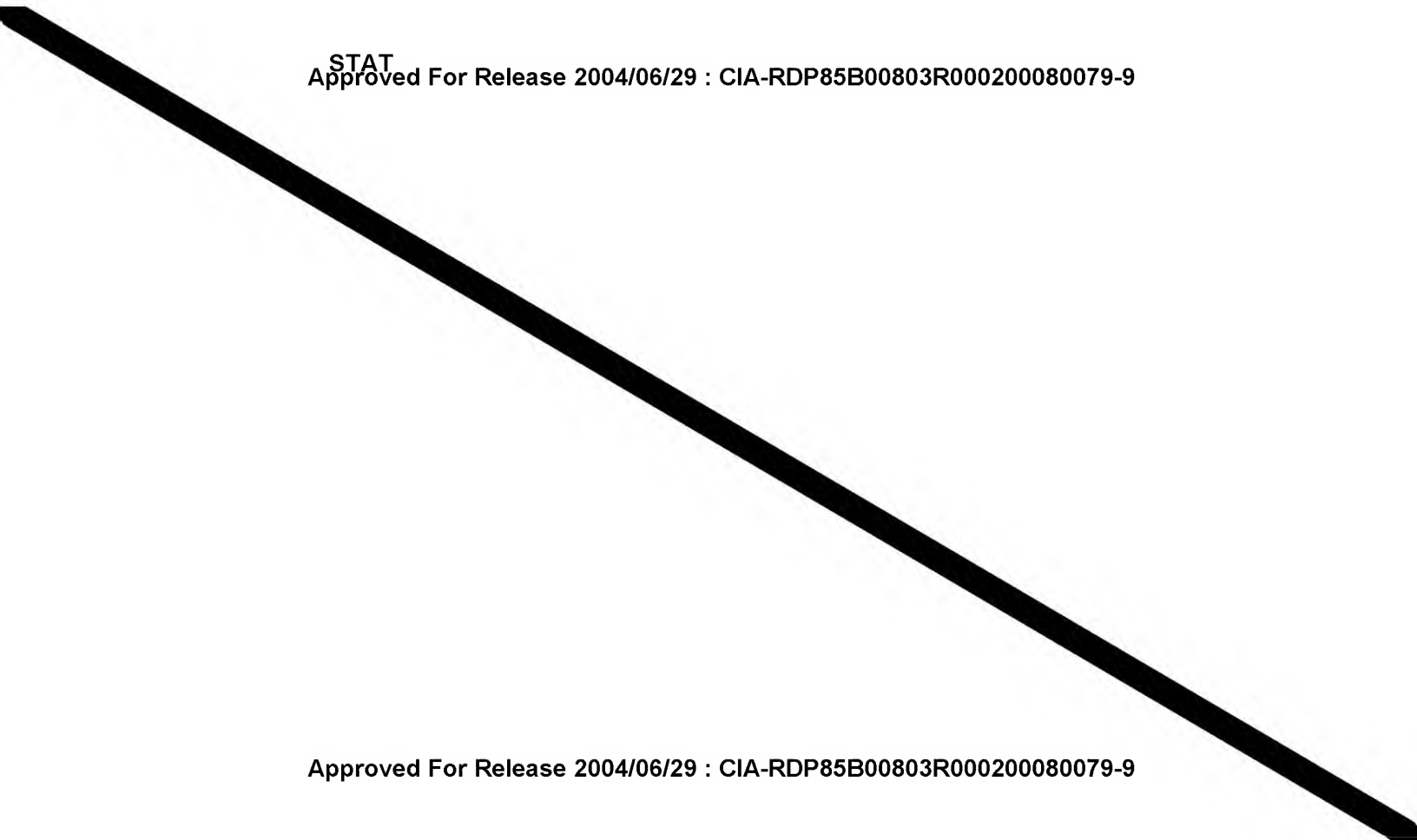

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At the end of 1970, consideration was being given at the behest of GSA, by OCS to testing of various lower-cost devices to replace IBM devices, such as core memories, terminals, tape drives, communications equipment, and printers.

In some cases no suitable replacements could be found and OCS was insistent in exercising caution in the replacing of units which were performing satisfactorily within a complex computer system, in order to avoid problems in service, reliability, performance, or compatibility which would more than offset the savings from lower cost equipment.

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DCID- 1/XX (New Series)

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To become effective as soon as practicable after approval of the DCID but in no case later than 1 Jan. 1971.

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([redacted] + other existing directives, regs etc. to be revised accordingly.)

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Long-range Planning

Another plan, of shorter range, to be accomplished early in 1971, was the establishment of a pool of computer terminals in Room 4F50, Headquarters, through the collaboration with several ~~XX~~ OCS customers, through which means each user could have access to a greater number of terminals and more types of terminals than would be practical if the terminals were installed separately in each user's area; also this should reduce terminal equipment and installation costs.

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OCS
ADP Services

Growing pains associated with conversion to ADP systems abated by 1970,

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STAT [redacted] ADP specialists using [redacted] computers now concentrating efforts on increasing effectiveness of opnl systems and applying computer techniques to new problems.

Increased ADP role resulted from recruitment and trg of expert computer specialists and to greater awareness of ADP potential among users. Extensive use being made or remote computer terminals connected to time-sharing computers,

[redacted]

STAT

STAT [redacted]

Classes of services:

1. Scientific data processing, trajectory and orbital analysis, signal analysis, resolution of math formulae etc.
2. Intel file manipulation, processing and exploitation of data relating to substantive areas - foreign missiles & space, ship movements, etc.
3. Document storage and retrieval, file management systems for guilding, maintaining and using computer files supporting intel activities; and
4. Management and admin data processing, payroll, personnel, stock inventory, financial record keeping.

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